

**AMENDMENTS TO THE ABSTRACT:**

Kindly amend the abstract to replace the original abstract with the abstract on the attached sheet submitted herewith. The new abstract does not include the title.



### ABSTRACT OF THE DISCLOSURE

Line interface for coupling a twisted pair telephone line with a communications network. The line interface includes a broadband analog front end for coupling the twisted pair telephone line with the line interface, and a programmable filter for filtering frequency bands to separate transmission channels, the transmission channels located in the communications network, wherein the frequency bands are determined by the programmable filter. In this manner, various services can be provided over the twisted pair telephone line.